

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A grate for a gas generator (7) adapted to operate in the gasifier of the gas generator so as to provide support to solid fuel fed thereon for combustion such as wood chips, peat, bark and hog fuel from forest harvesting and the like refuse fuel fed thereon, the cross sections of the gasifier and thus also its grate being substantially circular in shape ~~and the grate being equipped with comprising:~~

~~substantially circular slots (9) formed in the grate, said substantially circular slots (9) having the same center point but a varying radius, whereby the circular slots are formed between the;~~

~~annular grate rings (3) formed in the grate, said annular grate rings (3) being formed between the substantially circular slots (9), said annular grate ring (3) being stationary with respect to the gasifier, and the grate having placed thereon;~~

~~a mass of balls (2) with a diameter larger than the width of the grate slots, said mass of balls (2) being placed on the grate, characterized in that below the grate is mounted;~~

~~a member (4) mounted below the grate, said member (4) being that is rotatable about the center a center axis of the grate and is equipped with;~~

~~projections (6) formed on the member (4) wherein, at least at least some of the projections which extending upward extend upwardly through the substantially circular grate slots (9) to a level higher than the top level of the grate, said projections being rotated within said substantially circular slots for selectively imparting movement to said balls.~~

2. (Original) The grate of claim 1, characterized in that the rotatable member is a rod-supported rake (4) and that the rake projections are pegs (6) extending upward from the rake rod so far that the tips of the pegs reach higher than the top surface of the grate rings (3).

3. (Previously Presented) The grate of claim 1, characterized in that the grate rings (3) are connected to each other by a support structure (8) that is situated above the top surface of the grate and simultaneously provides two or more compartments for the balls.

4. (Original) The grate of claim 3, characterized in that the support structure (8) of the grate rings (3) comprises two planar members orthogonally crossed with each other so as to form four compartments for the balls (2), whereby the height of the planar members is selected to be greater than one and half times the ball diameter.

5. (Previously Presented) The grate of claim 1, characterized in that the balls (2) are made from a metal such as steel or a ceramic material.

6. (Previously Presented) The grate of claim 1, characterized in that the rotating speed of rake (4) is adjustable or automatically controllable.

7. (Previously Presented) The grate of claim 2, characterized in that the grate rings (3) are connected to each other by a support structure (8) that is situated above the top surface of the grate and simultaneously provides two or more compartments for the balls.

8. (Previously Presented) The grate of claim 2, characterized in that the balls (2) are made from a metal such as steel or a ceramic material.

9. (Previously Presented) The grate of claim 3, characterized in that the balls (2) are made from a metal such as steel or a ceramic material.

10. (Previously Presented) The grate of claim 4, characterized in that the balls (2) are made from a metal such as steel or a ceramic material.

11. (Previously Presented) The grate of claim 2, characterized in that the rotating speed of rake (4) is adjustable or automatically controllable.

12. (Previously Presented) The grate of claim 3, characterized in that the rotating speed of rake (4) is adjustable or automatically controllable.

13. (Previously Presented) The grate of claim 4, characterized in that the rotating speed of rake (4) is adjustable or automatically controllable.